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ACC NR: AP5028996

referred to unit surface area of the press-and-forge blank in g/cm^2 is a better indicator of the heating of this blank in molten glass than loss in percent of the blank's weight. On continuing their previous experiments (A. D. Akimenko, A. I. Kozlov, A. A. Skvortsov. Kuznechno-shtampovoye proizvodstvo, 1964, no. 4; 1964, no.11) the authors developed under laboratory conditions an easily fusible glass in which heating of the metal blank results in a metal weight loss of less than 0.01 g/cm^2 at 1250°C after ~30 min while at the same time markedly reducing the carburization of the metal. Orig. art. has: 1 figure, 4 formulas.

SUB CODE: 11, 13, 20/ SUBM DATE: none/ ORIG REF: 004/ OTH REF: 000

Card 2/2

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4

NEMCHENKO, V.V., inzh.; SRYVKOV, S.V., inzh.; AKIMENKO, B.R., inzh.

Burning of Nazarov coals in boiler systems with small evaporative capacity. Prom. energ. 19 no.12:22-23 D '64.

(MIRA 18:3)

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4

AKIMENKO, F.K., inzh.

Protection of welding machinery against operation on two phases.
Energetik 10 no.4:27 Ap '62. (MIRA 15:4)
(Electric welding)

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4

SKORUPSKIY, V.I., inzh.; AKIMENKO, I.M., inzh.

Returning a brick wall to the vertical. Prom.stroi. no.10:35 '62. (MIRA 15:12)

(Brick walls)

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4

OVCHINNIKOV, R.P.; SPIRIDONOV, S.F.; AKIMENKO, G.I.

Record production of coal with the UKR-1 cutter-loader. Ugol' 40 no.12:14-16 D '65. (MIRA 18:12)

1. Normativno-issledovatel'skaya stantsiya tresta Krasnoluchugol'.

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4

GRYAZNOV, V.P.; BOGDANOV, Yu.P.; RZHECHITSKAYA, G.V.; TERNOVSKIY, N.S.; GRACHEV, B.K. [deceased] MERKIN, V.G.; POLEVAYA, K.G.; AKIMENKO, I.S.

Double-flow beer rectification apparatus. Spirt. prom. 28 no.7:35-37 '62. (MIRA 17:2)

1. TSentral'nyy nauchno-issledovatel'skiy institut spirtovoy i likero-vodochnoy promyshlennosti (for Gryaznov, Bogdanov, Rzhechitskaya, Ternovskiy). 2. Lipetskiy spirtovoy zavod (for Grachev, Merkin, Polevaya, Akimenko).

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4

AKIMENKO, I.S.; KOLOS, T.K.; MERKIN, V.G.; SMOTRICH, B.A.; YASENSKAYA, M.T.

Method of water-and-heat treatment of corn. Ferm. i spirt.prom. 31 no.3:36-37 '65. (MIRA 18:5)

1. Lipetskiy spirtozavod.

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4

IVANOV, A.I.; AKIMENKO, I.S.; MERKIN, V.G.; SMOTRICH, B.A.

Washing of fusel oil by means of hydrodynamic mixing. Ferm. i spirt. prom. 31 no.4:23-24 '65. (MIRA 18:5)

1. Sovet narodnogo khozyaystva TSentral'no-Chernozemnogo ekonomicheskogo rayona (for Ivanov) 2. Lipetskiy spirtozavod (for Akimenko, Merkin, Smotrich).

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4

AKIMENKO, I.S.; MERKIN, V.G.; POLEVAYA, K.G.; SMOTRICH, B.A.

Some experiences of the Lipetsk Distillery in the operation of the unit for the heat treatment of alcohol. Ferm. i spirt.prom. 31 no.5:27-28 '65. (MIRA 18:8)

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4

L 42123-66 EWT(l)/EWT(m)/T/EWP(t)/ETI IJP(c) JD/GG/AT

ACC NR: AP6024453 SOURCE CODE: UR/0181/66/008/007/1981/1984

AUTHOR: Akimchenko, I.P.; Vavilov, V.S.; Plotnikov, A.P.

ORG: Physics Institute im. P. N. Lebedev, AN SSSR, Moscow (Fizicheskiy institut AN SSSR)

TITLE: Photoconductivity spectra of oxygen-alloyed germanium crystals irradiated with fast electrons

SOURCE: Fizika tverdogo tela, v. 8, no. 7, 1966, 1981-1984

TOPIC TAGS: photoconductivity, spectrum, germanium single crystal, [redacted] irradiation, crystal impurity, oxygen [redacted]

ABSTRACT: In addition to electrically active impurities, germanium crystals also contain neutral impurities, specifically oxygen, the concentration of which in normal crystals may reach 10^{16} cm^{-3}. It is not excluded that associations of point-contact defects with oxygen atoms may appear in Ge crystals upon irradiation. The authors were unable to determine the oxygen concentration in normal crystals in an absorption band at a wavelength of 11.6μ. At their request, the Semiconductor Department of MGU (Kafedra poluprovodnikov MGU) grew an oxygen-alloyed germanium crystal. The crystal was subjected to dilation in an oxygen atmosphere with noncontrolled pressure. The single crystal obtained has n-type electroconductivity and a resistivity from 2 to 10 ohm·cm. On the basis of the investigations performed, the authors conclude that the

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L 42123-66

ACC NR: AP6024453

level E_c-0.09 ev belongs to the association of the oxygen atom with a point-contact defect, the association appears only as a result of irradiation at room temperature, and it is analogous to the A-center in silicon. Germanium of the n-type, alloyed with oxygen to a concentration of $5 \cdot 10^{17}$ cm^{-3}, proved to be more radiation stable than n-type material with the same resistivity, but with a considerably lower oxygen concentration. Specimens of n-type Ge with an oxygen concentration of $\sim 5 \cdot 10^{17}$ cm^{-3} do not change their type of conductivity upon irradiation by a flux up to $6 \cdot 10^{18}$ cm^{-2}, and the lifetime starts to decrease only after irradiation with a flux on the order of 10^{18} cm^{-2}. The authors express their deep gratitude to M. D. Tyapkina for providing the oxygen-alloyed crystal. Orig. art. has: 4 figures. [26]

SUB CODE: 20/ SUBM DATE: 02Aug65/ ORIG REF: 002/ OTH REF: 003/ ATD PRESS: 5063

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4

AKIMENKO, K.P.

AKIMENKO, K.P.

Preparing students for a long summer hike in the general area of their homes. Geog. v shkole 21 no.2:46-47 Mr-Ap '58. (MIRA 11:2)

1. Ivanovskaya shkola Krasnodarskogo kraya.
(School excursions)

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4

AKIMENKO, M., komandir korablya (Kiyev).

Suggestion prompted by practice. Grazhd. av. 13 no.10:6 O '56.
(Airplanes--Piloting) (MIRA 10:1)

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4

AKIMENKO, M.; KARPUS', V.

Where virgin land was. Neftianik 5 no.2:8-10 F '60. (MIRA 14:10)

(Dolina region (Stanislav Province)—Oil fields—Production methods)

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AKIMOCHKIN, N.G.

Natural interspecific hybrid from the genus Juglans. Biul.Glav.bot sada no.44:11-14 '61. (MIRA 15:2)

1. Lesostepnaya opytno-selektsionnaya stantsiya. (Walnut)

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4

AKIMOCHKIN, N. G.

Hybrid forms of oak at the Forest Steppe Experiment Station. Biul. Glav. bot. sada no.47:95-96 '62. (MIRA 16:1)

1. Lesostepnaya opytnaya stantsiya Lipitskoy oblasti.

(Lipetsk Province--Oak breeding)

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4

AKIMENKO, N.M.

Making wall materials based on lime-tripoli binders and fine-grained Kara-Kum sands by means of steaming. Trudy Inst. antiseism. stroi. AN Turk. SSR 3:132-139 '58. (MIRA 13:10)
(Turkmenistan--Brickmaking)

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4

AKIMENKO, N.M.

Making silicate blocks on local raw materials of the Turkmen S.S.R. using vibration grinding. Trudy Inst. antiseism. stroi. AN Turk. SSR 3:145-151 '58. (MIRA 13:10)
(Milling machinery) (Silicates)

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4

АКИМЕНКО, Н.М.

AKIMENKO, N.M.; BELEVTSEV, Ya.N.; GOROSHNIKOV, B.I.; DUBINKINA, R.P.; ISHCHENKO, D.I.; KARSHENBAUM, A.P.; KULISHOV, M.P.; LYASHCHENKO, K.P.; MAKSIMOVICH, V.L.; SKURIDIN, S.A.; SIROSHTAN, R.I.; TOKHTUYEV, G.V.; FOMENKO, V.Yu.; SHCHERBAKOVA, K.F.; SEMENOV, M.V., red.izd-va; AVERKIYEVA, T.A., tekhn.red.

[Geological structure and iron ores of the Krivoy Rog Basin] Geologicheskoe stroenie i zheleznye rudy Krivorozhskogo basseina. Moskva, Gos. nauchno-tekhn.izd-vo lit-ry po geologii i okhrane nedr, 1957. 278 p. (MIRA 11:3)
(Krivoi Rog Basin--Geology)

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4

Akimenko, N.M.

BELEVTSEV, Ya.M.; AKIMENKO, N.M.; ZHILKINS'KIY, S.I.; SHCHERBAKOV, B.D.; TOKHTUYEV, G.V.; SIROSHTAN, P.I.; FOMENKO, V.Yu.

Method for studying structures of the Krivoy Rog Basin. Geol. zhur. 17 no.2:80-82 '57. (MLRA 10:11)
(Krivoy Rog Basin--Geology, Structural)

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4"

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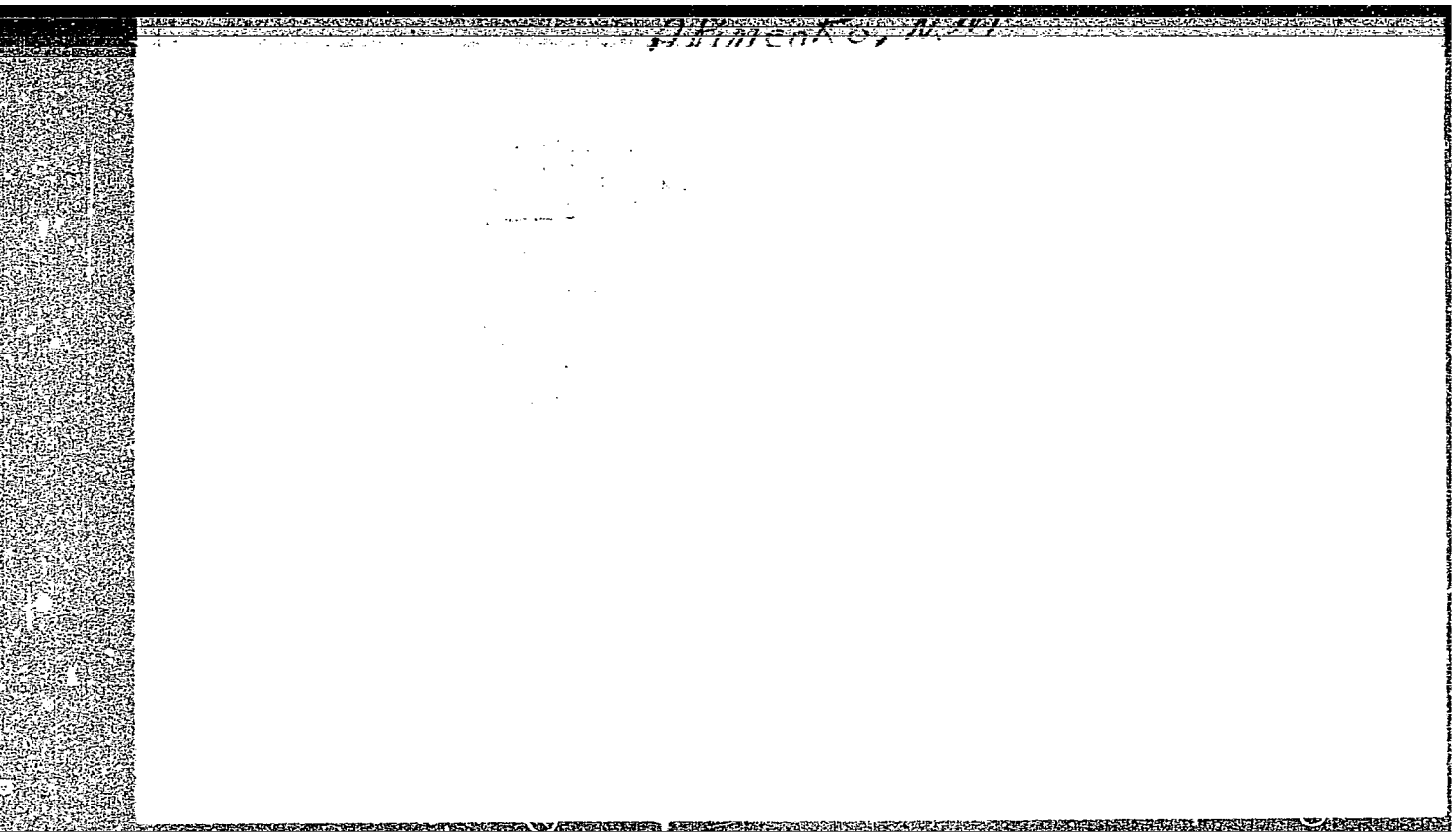

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4

AKIMENKO, M.M. [Akymenko, M.M.]

Diagonal tectonic displacement and its connection with ore deposits in the central part of the Saksagan region. Geol. zhur. 18 no.1:63-68 '58. (MIRA 11:5)

(Saksagan Valley--Geology, Structural)

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4

AKIMENKO, N.M., insh.-geolog

Geological characteristics of the "Podarkosovaya" deposit in the southern part of the Saksagan band. Sbor. nauch. trud. NIGRI no.2: 264-268 '59. (MIRA 14:1)
(Saksagan Valley--Geology, Stratigraphic)

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4

AKIMENKO, N.M.

Belozerka deposit of rich iron ores. Gor.zhur. no.8:7-11 Ag '60. (MIRA 13:8)

1. Glavnyy geolog tresta Dneprogeologiya, Dnepropetrovsk. (Zaporozh'ye Province--Iron ores)

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4

AKIMENKO, N.M. [Akymenko, M.M.]; DMITRIYEV, E.V. [Dmytriiev, E.V.]

Carbonate-magnetite ores of the fourth ferrigunous horizon in the Saksagan' syncline. Geol.zhur. 22 no.4:72-78 '62. (MIRA 15:9)

1. Dnepropetrovskaya ekspeditsiya, Ukrainskiy nauchno-issledovatel'skiy gornorudnyy institut, Glavnoye upravleniye geologii i okhrany nedr pri Sovete Ministrov UkrSSR.
(Saksagan' Valley--Carbonates) (Saksagan' Valley--Magnetite)

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4

BELEVTSEV, Ya.N.; FOMENKO, V.Yu.; NOTAROV, V.D.; MOLYAVKO, G.I.; MEL'NIK, Yu.P.; SIROSHTAN, R.I.; DOVGAN', M.N.; CHERNOVSKIY, M.I.; SHCHERBAKOVA, K.F.; ZAGORUYKO, L.G.; GOROSHNIKOV, B.I.; AKIMENKO, N.M.; SEMERGEYEVA, Ye.A.; KUCHER, V.N.; TAKHTUYEV, G.V.; KALYAYEV, G.I.; ZARUBA, V.M.; NAZAROV, P.P.; MAKSIMOVICH, V.L.; STRUYEVA, G.M.; KARSHENBAUM, A.P.; SKARZHINSKAYA, T.A.; CHEREDNICHENKO, A.I.; GERSHOYG, Yu.G.; PITADE, A.A.; RADUTSKAYA, P.D.; ZHILINSKIY, S.I.; KAZAK, V.M.; KACHAN, V.G.; STRYGIN, A.I., red.; LADIYEVA, V.D., red.; ZHUKOV, G.V., red.; YEPATKO, Yu.M., red.; SHCHERBAKOV, B.D., red.; SLENZAK, O.I., red.izd-va; RAKHLINA, N.P., tekhn. red.

[Geology of Krivoy Rog iron-ore deposits]Geologiia Krivorozhskikh zhelezorudnykh mestorozhdenii. Kiev, Izd-vo Akad. nauk USSR. Vol.1.[General problems in the geology of the Krivoy Rog Basin. Geology and iron ores of the deposits of the "Ingulets," Rakhmanovo, and Il'ich Mines]Obshchie voprosy geologii Krivbassa. Geologicheskoe stroenie i zheleznye rudy mestorozhdenii rudnikov "Ingulets," Rakhmanovskogo i im. Il'icha. 1962. 479 p.
(Krivoy Rog Basin—Mining geology) (MIRA 16:3)
(Krivoy Rog Basin--Iron ores)

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4

BELEVTSEV, Ya.N.; FOMENKO, V.Yu.; NOTAROV, V.D.; MOLYAVKO, G.I.; MEL'NIK, Yu.P.; SIROSHTAN, R.I.; DOVGAN', M.N.; CHERNOVSKIY, M.I.; SHCHERBAKOVA, K.F.; ZAGORUYKO, L.G.; GOROSHNIKOV, B.I.; AKIMENKO, N.M.; SEMERGEYEVA, Ye.A.; KUCHER, V.N.; TAKHTUYEV, G.V.; KALYAYEV, G.I.; ZARUBA, V.M.; NAZAROV, P.P.; MAKSIMOVICH, V.L.; STRUYEVA, G.M.; KARSHENBAUM, A.P.; SKARZHINSKAYA, T.A.; CHEREDNICHENKO, A.I.; GERSHOYG, Yu.G.; PITADE, A.A.; RADUTSKAYA, P.D.; ZHILKINSKIY, S.I.; KAZAK, V.M.; KACHAN, V.G.; POLOVKO,N.I., red.; LADIYEVA, V.D., red.; ZHUKOV, G.V., red.; YEPATKO, Yu.M., red.; SLENZAK,O.I., red. izd-va; KULICHENKO, V.G., red.; RAKHLINA, N.P., tekhn. red.; MATVEYCHUK, A.A., tekhn. red.

[Geology of the Krivoy Rog iron ore deposits] Geologiia Krivorozhskikh zhelezorudnykh mestorozhdenii. Kiev, Izd-vo Akad. nauk USSR. Vol.1.[General problems of the geology of the Krivoy Rog Basin. Geology and iron ores of the "Ingulets," Rakhmanovskiy, and Il'ich ore deposits] Obshchie voprosy geologii Krivbassa. Geologicheskoe stroenie i zheleznye rudy mestorozhdenii rudnikov "Ingulets," Rakhmanovskogo i im. Il'icha. 1962. 479 p. Vol.2.[Geology and iron ores of the Dzerzhinskiy, Kirov, Liebknecht, October Revolution, "Bol'shevik," Frunze, 22d Parts'ezd, Red Guard, and Lenin deposits]Geologicheskoe stroenie i zheleznye rudy mestorozhdenii im. Derzhinskogo, im.Kirova, im.K.Linkenkhta, im.XX parts"ezda, im. Krasnoi Gvardii i im.Lenina. 1962. 564 p. (MIRA 16:5)
(Krivoy Rog Basin—Iron ores)

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4

AKIMENKO, N.M.; DMITRIYEV, E.V.

Petrography of the arkose series in the Krivoy Rog Basin. Sbor. nauch. trud. KGRI no. 21:21-24 '63. (MIRA 17:7)

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4

MAGAK'YAN, I.G.; AKIMENKO, N.M.; BELEVTSEV, Ya.N.; GERSHOYG, Yu.G.; GRECHISHNIKOV, N.P.; KALYAYEV, G.I.; KARSHENBAUM, A.P.; KRAVCHENKO, V.M.; KULISHOV, M.P.; MAKSIMOVICH, V.L.; MEL'NIK, Yu.P.; PITADE, A.A.; SKURIDIN, S.A.; STRIGIN, A.I.; FEDORCHENKO, V.S.; FOMENKO, V.Yu.

Reviews and bibliography. Geol. rud. mestorozh. 7 no.3:113-117 My-Je '65. (MIRA 18:7)

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4

S/279/63/000/001/007/023
E021/E452

AUTHORS: Rubesh, L.L., Gvelesiani, Dzh.F., Agladze, R.I., Akimenko, V.B. (Tbilisi)

TITLE: The anodic dissolution of ferrochrome

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Otdeleniye tekhnicheskikh nauk. Metallurgiya i gornoye delo. no.1, 1963, 100-104

TEXT: The influence of the iron, carbon (0 to 7%) and silicon (0 to 2.8%) contents on the anodic dissolution of chromium was investigated. The starting materials were electrolytic chromium, Armco iron, active carbon and metallic silicon. Cylindrical anodes were cast from a high frequency induction furnace into metallic moulds 50 to 60 mm long x 30 mm diameter. Electrolysis was carried out with anodic and cathodic current densities of 10 and 7 A/dm^2 respectively, electrolyte concentration 50 g/litre $(NH_4)_2Cr_2O_7$ (20 g/litre Cr^{6+}), pH 6 to 6.5 and temperature 60 $\pm$ 1°C. The iron and chromium hydroxide precipitates were dissolved by adding concentrated sulphuric acid, and Cr^{6+}, Cr^{3+} and Fe^{3+} were determined. With increase in iron

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content the proportion of current used to form Cr^{6+} and Cr^{3+} decreased whilst that for Fe^{3+} increased. The ratio of Cr^{6+} to Cr^{3+} remained constant. The overall current efficiency with iron contents of up to 35 to 40% was 100%; further increase in iron content reduced the overall current efficiency below 100%, due to evolution of oxygen and increased anode passivation. There was a sharp increase in current used to form Cr^{3+} and a decrease in that forming Cr^{6+} with increase in carbon content. The total current used to form Cr^{6+}, Cr^{3+} and Fe^{3+} fell with increase in anode carbon content, and CO_2 and CO were shown to be present in the anode gases. The effects of Si on anodic dissolution were similar to those of carbon but less marked. There are 3 figures.

SUBMITTED: August 4, 1962

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4

AKIMENKO, V. G.

"The Comparative Chemical Characteristices of Virulent and Avirulent Strains of Plague Microbes." Cand Med Sci, Rostovna-Donu, State Medical Inst, Min Health RSFSR, Rostov-na Donu, 1954. (KL, No 9, Feb 55)

SO: Sum. No. 631, 26 Aug 55 - Survey of Scientific and Technical Dissertation Defended at USSR Higher Educational Institutions (14)

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4

S/138/60/000/011/008/010
A051/A029

AUTHORS: Kudryavtsev, L.D., Akimenko, V.I., Syshchikov, L.I.

TITLE: Experience in Synthetic Latex Production at the Voronezh Synthetic Rubber Plant im. S.M. Kirov

PERIODICAL: Kauchuk i rezina, 1960, No. 11, pp. 33-35

TEXT: In the present article the authors have outlined their attempts to produce new latexes for the tire industry. The method for preparing the solutions and their resultant characteristics are given. The VNIISK and other scientific research institutes have developed the new formulation and the production procedures for the new type of latexes. In 1959 at the Voronezhskiy zavod SK im. S.M. Kirova (Voronezh SR Plant im. S.M. Kirov) a new shop was put into operation intended for the production of several types of commercial synthetic latexes including that of СКС-30 ШХП(SKS-30ShKhP) and СКД-1 (SKD-1), СКС-65ГП(SKS-65GP) (deep polymerization) for the production of emulsion dyes, СКС-50ПГ (SKS-50PG) ("foam hot rubber") for the production of foam rubber articles, etc. The shop is said to have begun production of 8 types of synthetic latexes on an in-

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4

S/138/60/000/011/008/010
A051/A029

Experience in Synthetic Latex Production at the Voronezh Synthetic Rubber Plant im. S.M. Kirov

dustrial scale. The SKS-30ShKhP and SKD-1 latexes, the production methods of which are described, are said to have significantly increased the stability of adhesion between rubber and cord and thus improved the quality of the casings. The solutions were prepared in the following manner: An aqueous-alkaline solution of the emulsifier (aqueous phase) was prepared in a cylindrical sealed apparatus (1) supplied with a mixer (Fig. 1). Desalted water is pumped into the apparatus 1, then through the apparatus 2, through a measuring tank 3 a 25-30% solution of fatty acid soap is poured and through a measuring tank 4 a 32-37% solution of leuconal. An ammonium solution enters the apparatus 1 through a measuring tank 5. After measuring out all the components water is added to the final level and sodium sulfite is also added. In order to remove the iron salts and other admixtures the ready aqueous phase is left to stand for several hours. The soap solution is prepared in apparatus 2. Desalted water is pumped into the apparatus and alkali is added. The alkaline solution is heated to 60-70°C, after which fatty acids are added according to calculation. A

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Experience in Synthetic Latex Production at the Voronezh Synthetic Rubber Plant im. S.M. Kirov

2-5% emulsion of cumene hydroperoxide in a soap solution, prepared in apparatus 8, is used as the initiating agent of the polymerization process. The activator of the process is prepared in apparatus 10, where desalted water is pumped and hydroquinone and sodium sulfite are added. Trilon B is also added, which forms a complex compound with iron salts. The regulator of the polymerization process is diperoxide or bisethylxanthogenate. In order to simplify the dosaging, the regulator in apparatus 9 is first dissolved in styrene. The thin suspension of the stabilizer (Neozone D) is obtained on a colloidal mill 13, where a raw suspension of Neozone D enters from apparatus 12. From the capacity holder 14 serving as the collector the suspension is pumped off by a pump into the measuring tank 16. The polymerization is conducted in the polymerizer 24 with a capacity of 12 m^3 supplied with a mixer, from which first the oxygen is removed prior to the loading. The aqueous phase is poured from the measuring tank 17, the activator solution enters from the measuring tank 11. After the activator from the measuring tank 18 is added, styrene is then also

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added and from the measuring tank 19 divinyl is introduced. The initiator is measured from the measuring tank 20, using a measuring plunger pump 21. The loading of the components is carried out at 10-12°C. The reacting mixture in the polymerizer is heated to 20±2°C. This temperature is kept up to the end of the process. Removal of the heat formed during the polymerization process is accomplished by supplying cold water to the container and a brine solution to the spiral tube of the apparatus. At a depth of polymerization equalling 15, 30 and 45% the regulator solution is measured out in equal amounts from the measuring tank 22 by means of a pump 23. The polymerization process is completed when the depth reaches 60% corresponding to a content of 27-28% dry substance in the latex. The polymerization duration is 60-20 hours. The latex is cooled to 10°C and poured into a cistern 25, previously treated with a solution of complex phenols. The non-degasified latex contains a large number of free monomers which are distilled off on a two stage distilling column 28. By

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Experience in Synthetic Latex Production at the Voronezh Synthetic Rubber Plant im. S.M. Kirov

means of a pump 27 the latex is fed to the top part of the first stage of the column 28 and from there it is pumped over to the top part of the second stage. From the vat of the column the degasified latex passes through a hydro-lock 30 and is poured down into the capacity holder 31, from where it is pumped with a pump to a storing house. Live steam is fed to the top part of the 2nd stage. From the vat of the 2nd stage aqueous vapor and monomer vapors enter the 1st stage, from where they pass to condensation. The monomer distillation from the latex is done under a vacuum of 600-650 mm Hg created by a water-ring vacuum pump of the PMK-3 (RMK-3) type. The commercial SKS-30ShKhP latex is said to satisfy the following technical conditions: dry substance content in the latex, %.... no less than 24, Neozone D content, %..... 1.2-2, pH.....9.5-11, dissolution threshold.....1:100, gelatinization temperature, °C.. not below +5, hardness of the copolymer, according to Defoe, g.....1,500-4,000. The shortcoming of the latex is a lowered stability compared to SKS-30 latex. The measuring out of the initiator and the regulator

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Experience in Synthetic Latex Production at the Voronezh Synthetic Rubber Plant im.S.M. Kirov

directly carried out from the measuring tanks by means of leveling lines causes the foam of the latex to clog the measuring tanks leading to a disruption of the measuring accuracy. In order to eliminate these shortcomings it was suggested to establish measuring pumps of the plunger type. One of the main aspects in perfecting the recommended flow-sheet is the change-over from the batch-type to the continuous method. The latter would improve the production standard and quality and to increase the output. Another shortcoming is said to be the presence of "dead levels" in the cisterns of the non-degasified and degasified latex. In changing from one type of latex to another a great deal of work is involved, in order to free the cisterns of latex remains, leading to irreversible loss of the finished product. In discussing the production method of the SKD-1 latex, it is said that the polymerization is carried out in an acidic medium formed by an organic unsaturated acid. The principal scheme is the same as for that of the SKS-30ShKhP latex. A

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solution of Nekal is dissolved and kept for 24 hours in order to eliminate the iron salts. A 5%-emulsion of hydroperoxide in Nekal is used as the initiator. At a depth of the polymerization of 53-56% the latex is poured into the cistern. The SKD-1 latex is said to have the following characteristics: dry substance content, %..... no lower than 18, Neozone D, % ..... 1-2 of the dry substance, pH.....8.5-9.0, threshold of dissolution .....1:100, gelatinization temperature, °C..... not below 5, copolymer hardness, according to Defoe, g.....1,500-4,000. There is one flow-sheet.

ASSOCIATION: Voronezhskiy zavod SK im. S.M. Kirova (Voronezh SR Plant im. S.M. Kirov)

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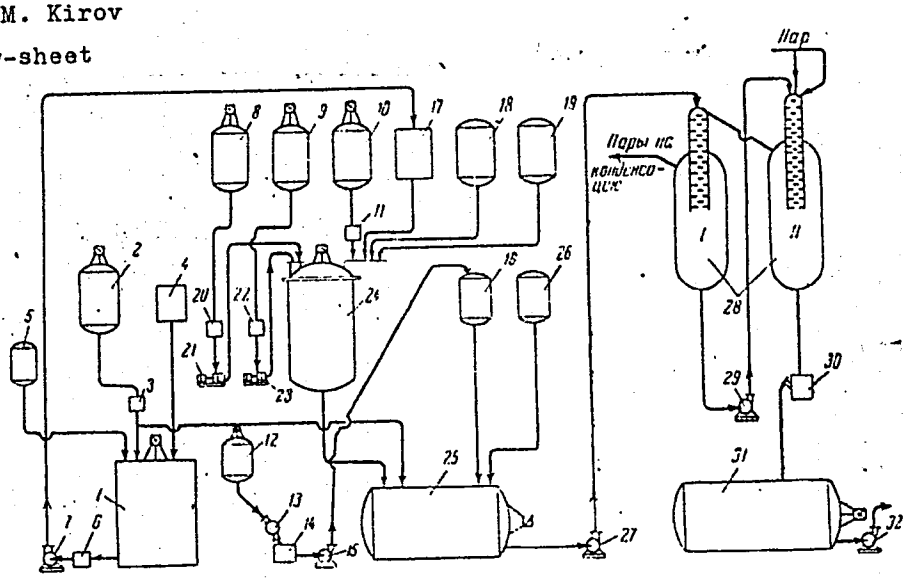
Experience in Synthetic Latex Production at the Voronezh Synthetic Rubber Plant im. S.M. Kirov

Fig 1: Flow-sheet



Card 8/9

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Experience in Synthetic Latex Production at the Voronezh Synthetic Rubber Plant im. S.M. Kirov

Figure 1 (continued): Flow-sheet. Principle scheme for the production of latexes for the tire industry: 1 - apparatus for the preparation of the aqueous phase; 2 - apparatus for preparing the potassium paraffinate; 3, 4, 5, 11, 16, 20, 22 - measuring tanks; 6 - filter; 7, 15, 27, 32 - pumps; 8 - apparatus for preparing the initiator solution; 9 - apparatus for preparing the regulator solution; 10 - apparatus for preparing the activator solution; 12 - apparatus for preparing the suspension of the stabilizer; 13 - colloidal mill; 14 - selector of the stabilizer suspension; 17 - measuring tank for the aqueous phase; 18 - measuring tank for styrene; 19 - measuring tank for divinyl; 21 - plunger pump; 23 - measuring pump; 24 - polymerizer; 25 - cistern; 26 - collector of DSA; 28 (I, II) - distilling apparatus; 29 - pump for pumping the latex; 30 - hydro-lock; 31 - holder for the latex.

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KODANASHVILI, V.A.; AKIMENKO, V.B.; PAPOV, V.A.; KVARATSKHELIYA, R.K.

Properties of the products of chlorinated kerosine. Trudy GPI [Gruz.] no.5:89-95 '62. (MIRA 17:10)

Use of chlorinated kerosines for the refining of lubricating greases. Ibid.:97-100

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4

KOZYR', Ivan Vasil'yevich; AKIMENKOVA, N.S., red.; SHIKIN, S.T., tekhn.red.

[Basic agricultural hand implements for school garden plots] Osnovnoi ruchnoi sel'skokhoziaistvennyi inventar' uchebno-opytnogo uchastka. Moskva, Gos.uchebno-pedagog.izd-vo M-va prosv. RSFSR, 1955. 61 p. (MIRA 12:3)
(Agricultural implements)

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4

AKIMETS, V.S.

Some new data on the stratigraphy of the upper cretaceous in Loev District of the White Russian S.S.R., based on studies of Foraminifera. Izv.AN BSSR. no.5:135-148 S-O '53. (MLRA 9:1)
(Loev District--Geology, Stratigraphic) (Foraminifera, Fossil)

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4

AKIMETS, V. S.: Master Geolog-Mineralo Sci (diss) -- "The stratigraphy and foraminifera of the Upper Cretaceous deposits of Belorussia". Minsk, 1958. 20 pp (Acad Sci Beloruss SSR, Dept of Phys-Math and Tech Sci) (KL, No 5, 1959, 145)

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4

AKIMETS, V.S.

Stratigraphy of upper Cretaceous sediments in the southwestern part of the White Russian S.S.R. according to forminifera data. Vestsi AN BSSR Ser. fiz.-tekhn. nav. no.3:72-85 '58. (MIRA 11:10)
(White Russia--Geology, Stratigraphic)

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4

AUTHOR: Akimets, V.S. SOV/5-58-4-21/43

TITLE: Stratigraphy and Foraminifera of the Upper Cretaceous Deposits in Belorussia (O stratigrafii i foraminiferakh verkhnemelovykh otlozheniy Belorussii)

PERIODICAL: Byulleten' Moskovskogo obshchestva ispytateley prirody, Otdel geologicheskiy, 1958, Nr 4, pp 147-148 (USSR)

ABSTRACT: This is a summary of a report given by the author at a meeting of the Moscow Society of Naturalists on 22 April 1958. As a result of studies made in the Byelorussian territory, the existence of all Upper Cretaceous strata apart from the Danian Stage has been established, and within each stratum the existence of the various sub-strata or horizons except the Upper Maastricht zone is now charted. The author gives a detailed explanation of these layers.

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AKIMETS, V.S.

New data on upper Cretaceous sediments of Grodno Province.
Dokl. AN BSSR 3 no.6:257-261 Je '59. (MIRA 12:10)

1.Predstavleno akademikom AN BSSR I.S. Lupinovichem.
(Grodno Province--Geology, Stratigraphic)

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4

AKIMETS, V.S.

Stratigraphy and Foraminifera of upper Cretaceous sediments in White Russia. Paleont.i stratigr.BSSR no.3:3-245 '61.
(MIRA 15:2)

(White Russia--Foraminifera, Fossil)
(White Russia--Geology, Stratigraphic)

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4

AKIMETS, V.S.

Stratigraphic division of upper Cretaceous sediments in White Russia, based on Foraminifera. Trudy VNIGNI no.29: 98-103 vol.3 '61. (MIRA 14:9)
(White Russia--Foraminifera, Fossil)

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4

AKIMETS, V.S.

First find of representatives of the genus Rectogümbelina in the upper Cretacious deposits of the Soviet Union. Dokl. AN BSSR 6 no.5:323-326 My '62. (MIRA 15:6)

1. Institut geologicheskikh nauk AN BSSR. Predstavleno akademikom AN BSSR K.I. Lukashevym.
(Crustacea, Fossil)

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4

AKIMETS, V.S.

New data on the stratigraphy and foraminifers of the Upper Cretaceous sediments in the eastern part of White Russia. Paleont.i stratigr. BSSR no.4:190-215 '63. (MIRA 17:4)

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4

USSR / Cultivated Plants. Grains. M-3

Abs Jour: Ref Zhur-Biol., 1958, No 16, 72892.

Author : Girfanov, V. K.; Akimetshin, Kh. S.
Inst : Not given.
Title : Reaction of Spring Wheat Varieties to Cultivation.

Orig Pub: Zemledeliye, 1958, No 2, 28-30.

Abstract: No abstract.

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APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4

AKHALDZE, A.Z.; VYGODNER, M.A.; CHERNYAKHOVA, V.B.

Practice in geological correlation and division of Paleozoic limestones under geosynclinal conditions. Izv. vys. uchab. zav.; geol. i razv. 6 no.12:56-61 D '63 (MIRA 18:2)

1. Kabardino-Balkarskaya kompleksnaya geologicheskaya ekspeditsiya.

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4

AKIMKIN, Aleksey Vasil'yevich; ZELIKOV, V., red.; TYURYAYEV, V., tekhn. red.

[New wage system in the sugar industry of Kirghizistan] Novye usloviia oplaty truda v sakharnoi promyshlennosti Kirgizii. Frunze, Kirgizskoe gos.izd-vo, 1962. 51 p. (MIRA 17:3)

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4

AKIMOCHKIN, A., mayor.

Protective grounding for mobile power units. Voen.-inzh. zhur. 101 no.4:34-39 Ap '57. (MLRA 10:6)
(Electric power plants)

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4

AKIMOCHKIN, G.N.

Experiment in growing spot-seeded shelterbelts. Agrobiologiia no.3: 139-141 My-Je '56. (MLRA 9:9)

1.Shatilovskaya gosudarstvennaya selektsionnaya stanstsiya, Orlovskaya oblast'.
(Windbreaks, shelterbelts, etc.)

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4

AKIMOCHKIN, I. G.

Akimochkin, I.G. "Ascorbic acid in the blood during emotional stress," Sbornik nauch. rabot, posvyashch. 70-letiyu prof. Seppa, Moscow, 1948, p. 102-08.

SO: U-3264, 10 April 1953, (Letopis 'Zhurnal 'nykh Statey, No. 3, 1949)

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4

AKIMOCHKIN N. G.

USSR/Biology - Trees, Planting, Soil Conservation May/Jun 50

"Raising Oaks on Steep Slopes by Planting Acorns," N. G. Akimochkin, Novosil' Zonal Agroforest Amelioration Sta, Novosil', Orlov Oblast

"Agrobiol" No 3, pp 124-129

Success achieved in growing oaks on steep [illegible] slopes of ravines and gulches by dense planting. Believes method valuable for erosion control. One table and 2 photos.

[redacted] 170T4

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4

AKIMOCHKIN, N.G.

Hybrid walnut (Juglans) at the Forest-Steppe Experimental Station. Biul. Glav. bot. sada no.55:41-44 '64.
(MIRA 18:11)

1. Lesostepnaya opytnaya stantsiya dekorativnykh kul'tur, p/o Meshcherskoye Lipetskoy oblasti.

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4

COUNTRY : USSR
CATEGORY : Forestry. Dendrology. K

ABS. JOUR. : RZhBiol., No. 23 1958, No. 104515

AUTHOR : Akimochkin, N. G.
INST. :
TITLE : Growth and Productivity of Poplar in the Northern Part of the Central Forest-Steppe

ORIG. PUB. : Lesn. kh-vo, 1958, No. 2, 21-25

ABSTRACT : In the northern part of the central forest-steppe (Orlovskaya, Kurskaya, Voronezhskaya, Tambovskaya, Lipetskaya oblasts) a number of poplar species grow successfully. On bottomland soils, Eastern [Populus molinifera], Southern [P. balsamifera], Berlin, and Chinese poplar grow more rapidly than warty birch and Siberian larch; at the age of 30 years they have a height of 24.8-26.7 m, whereas the height of birch and larch does not exceed 18.1-17.7 m. On poor dry soils of south-eastern slopes the height growth of poplar is practically the same as that of birch and larch. On poor, washed-out and eroded soils birch and larch grow faster. For culti-

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4

AKIMOCHKIN, N.G.

Winter hardiness of coniferous and broad-leaved trees and shrubs at the Forest Steppe Experimental Plant Breeding Station (Lipetsk Province). Bot.zhur.45 no.1:123-131 Ja '60. (MIRA 13:5)

1. Lesostepnaya opytno-selektsionnaya stantsiya Volynskogo rayona Lipetskoy oblasti.
(Lipetsk Province--Plants--Frost resistance)
(Trees) (Shrubs)

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4

AKIMOCHKIN, N.G.

Experiments in growing the Amur cork tree at the Forest-Steppe Experiment Station. Biul.Glav.bot.sada no.37:30-33 '60. (MIRA 13:11)

1. Lesostepnaya opytnaya stantsiya dekorativnykh kul'tur.
(Lipetsk Province--Amur cork tree)

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4

AKIMOCHKIN, N.G.

Nuts (Juglans) in the northern part of the central forest steppe. Biul. Glav. bot. sada no.41:11-16 '61. (MIRA 14:11)
(Tula region--Walnut)

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4

AKIMOCHKIN, N.G.

Hybrid linden at the Forest Steppe Experiment Station. Biul. Glav. bot. sada. no.49:38-41 '63. (MIRA 16:8)

1. Lesostepnaya opytno-selektsionnaya stantsiya dekorativnykh kul'tur pochtovogo otdeleniya, Meshcherskoye Lipeyskoy oblasti. (Lipetsk Province--Linden breeding)

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4

AKIMOCHKIN, N.G.; GROMOV, B.V., zasl. deyatel' nauki RSFSR, doktor prof., red.

[Results of the introduction of tree and shrub species at a forest-steppe experimental and breeding station during the past 35 years] Itogi introduktsii drevesnykh i kustarnikovykh porod na lesostepnoi opytno-selektsionnoi stantsii za 35 let. Efremov, Trest "Goszelenkhoz," 1961. 55 p. (MIRA 17:11)

1. Zamestitel' direktora po nauchnoy rabote lesostepnoy opytno-selektsionnoy stantsii Lipetskoy oblasti (for Akimochkin).

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4

AKIMOCHKIN, P. V.

AKIMOCHKIN, P. V.--"Basic Trends in the Organization of the Construction of Yards around the Columns of Vertical Shafts of the Kuznets Basin." Min. Higher Education, Tomsk Order of Labor Red Banner Polytechnic Inst. imeni S. M. Kirov, Chair of the Construction of Mining Enterprises, Tomsk, 1955 (Dissertation for the Degree pf Candidate in Technical Sciences)

SO: Knizhnzya Letopis', No. 35, 1955

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4

AKIMOCHKIN, P.V.

Using the economic factor to determine the distance between ventilation shafts in drifting. Izv.TPI 93:104-107 '58. (MIRA 13:5)

(Mining engineering--Costs)

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4

AKIMOCHKIN, P.V., starshiy prepodavatel'; LUK'YANOV, V.G., assistent

Investigating ore loading and car change in drift mining. Izv. vys.ucheb.zav.; gor.zhur. no.5:18-24 '59. (MIRA 13:5)

1. Tomskiy ordena Trudovogo Krasnogo Znameni politekhnicheskiy institut imeni S.M.Kirova. Rekomendovana kafedroy shakhtnogo stroitel'stva.
(Ore handling) (Mine railroads--Cars)

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4

AKIMOCHKIN, P.V.; TSYTSARKIN, V.N.; RAZIN, V.N.

Results of experimental investigations on selecting compositions of equivalent materials. Vop. gor. davl. no.7:66-69 '61. (MIRA 18:7)

1. Tomskiy politekhnicheskiy institut im. S.M.Kirova.

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4

LUK'YANOV, Viktor Georgiyevich; AKIMOCHKIN, Petr Vikulovich; TUTNOV, A. O., otv. red.; MELIKHOV, I.D., red.izd-va; VOLDYREVA, Z.A., tekhn. red.

[Practice in and prospects for using equipment in placing supports in horizontal workings] Opyt i perspektivy primeneniia krepeukladchikov v gorizontal'nykh gornykh vyrabotkakh. Moskva, Gosgortekhizdat, 1963. 87 p. (MIRA 16:6)
(Mine timbering) (Reinforced concrete construction)

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4

AKIMOCHKINA, R.G.

Vascular reaction in patients with psoriasis. Vest.derm.i ven. 33 no.6:8-13 N-D '59. (MIRA 13:12)
(PSORIASIS) (PLETHYSMOGRAPHY)

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4

AKIMOCHKINA, R. G.

Cand Med Sci - (diss) "Vasomotor reactions in patients with psoriasis. (Clinical and physiological observations)." Tomsk, 1961. 16 pp; (Novosibirsk State Med Inst); 250 copies; price not given; (KL, 10-61 sup, 223)

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4"

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AKIMOCHKINA, R.G., kand.med. nauk

Influenzal eruptions. Vest. derm. i ven. 37 no.2:36-38 F'63.
(MIRA 16:10)

1. Iz kafedry kozhnykh i venericheskikh bolezney (zav. - prof. I.S.Beyrakh) i kafedry infektsionnykh bolezney (zav. - dotsent A.M.TSelishchev) Tomskogo meditsinskogo instituta.

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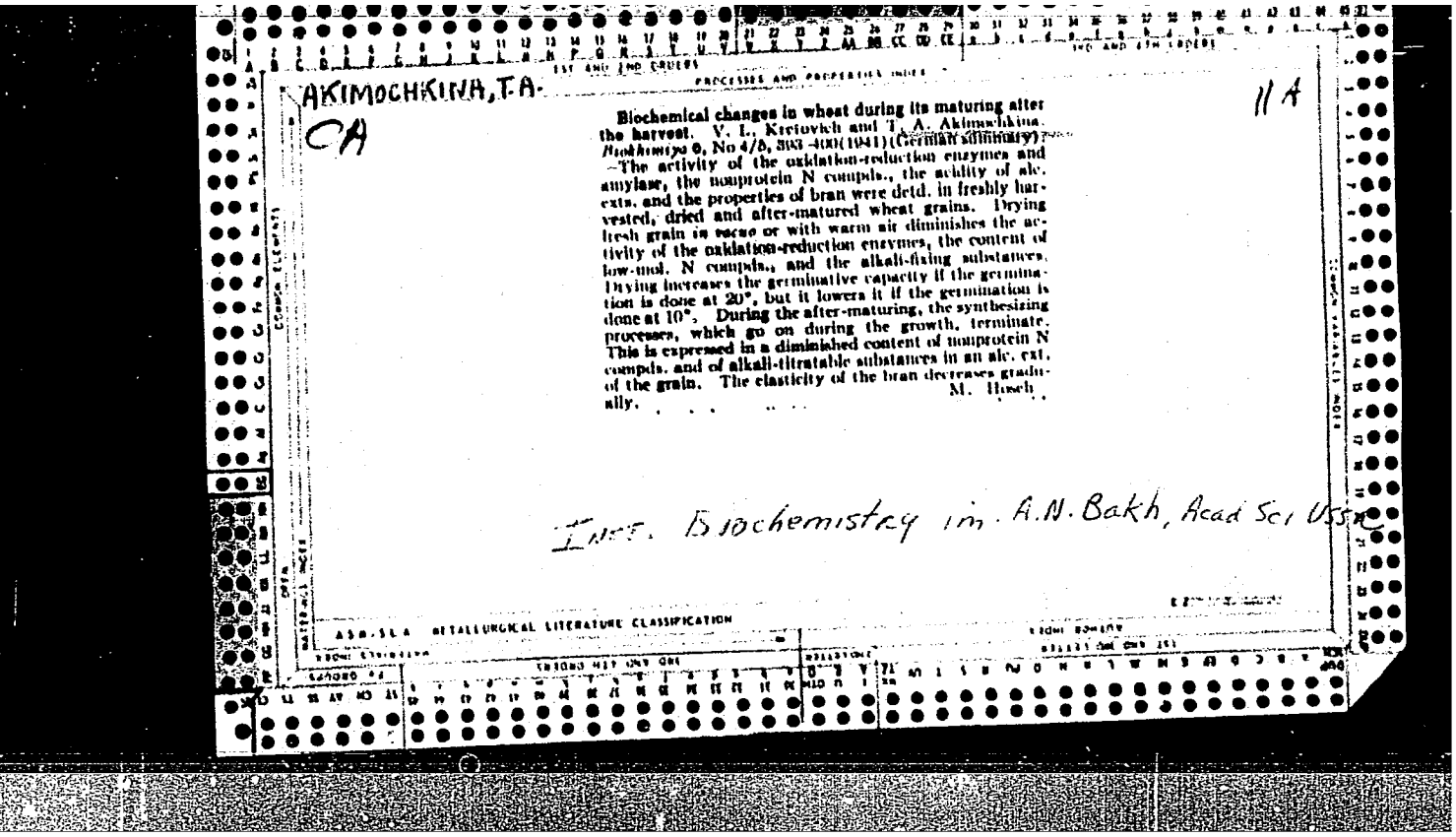

AKIMOCHKINA, T.A.

CA

11A

Biochemical changes in wheat during its maturing after the harvest. V. L. Kretovich and T. A. Akimochkina. *Biokhimiya* 6, No 4/5, 393-400(1941)(German summary)—The activity of the oxidation-reduction enzymes and amylase, the nonprotein N compds., the acidity of alc. exts. and the properties of bran were detd. in freshly harvested, dried and after-matured wheat grains. Drying fresh grain in vacuo or with warm air diminishes the activity of the oxidation-reduction enzymes, the content of low-mol. N compds., and the alkali-fixing substances. Drying increases the germinative capacity if the germination is done at 20°, but it lowers it if the germination is done at 10°. During the after-maturing, the synthesizing processes, which go on during the growth, terminate. This is expressed in a diminished content of nonprotein N compds. and of alkali-titratable substances in an alc. ext. of the grain. The elasticity of the bran decreases gradually. M. Hoseh

Inst. Biochemistry im. A.N. Bakh, Acad Sci USSR

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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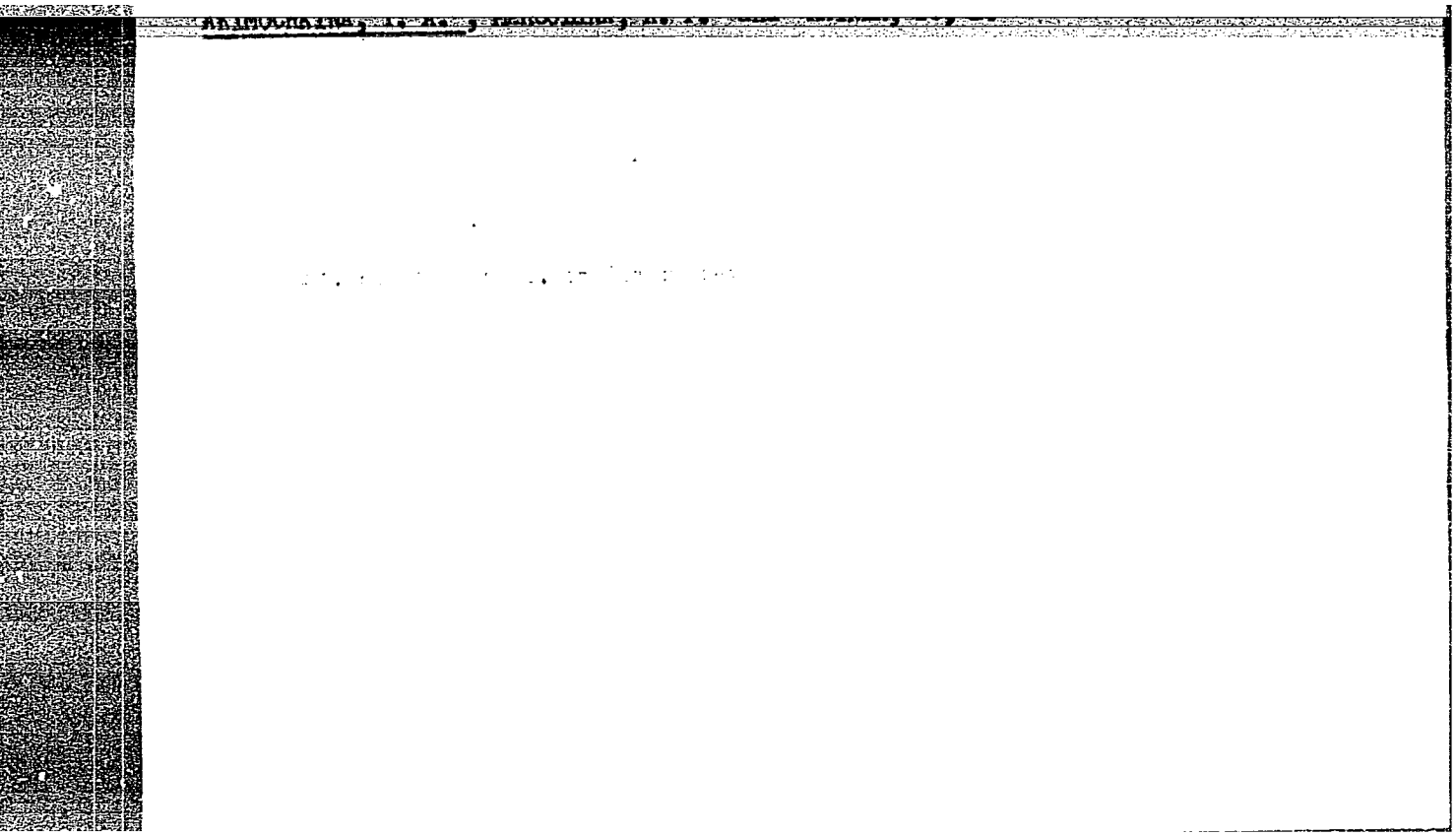

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CA
AKIMOCHKINA, T. A.

Influence of cations on some intracellular processes in plants in relation to the source of absorption of the cations by the roots. K. I. Ratner and T. A. Akimochkina. *Izvest. Akad. Nauk S.S.S.R., Ser. Biol.* 1949, 200-315.—Review with many references is supplemented by expts. with *Suaeda corniculata*, tobacco, and wheat. Plant nutrition based on cations which are colloidally bound with the soil differs from the cultures in solns. of the same cations and is affected by the mechanism of cation absorption. G. M. Kosolapoff

Inst. Plant Physiol. im Timiryazev, A S USSR

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C. A. AKIMOCHKINA, T. A.

1951

Biological Chemistry
Botany

11 B

Formation of organic acids in plants in dependence on the conditions of the supply of cations. B. I. Raturi and T. A. Akimochkina (Timiryazev Plant Physiol. Inst., Moscow). *Doklady Akad. Nauk S.S.S.R.* 77, 1111-14 (1951).—In expts. with sugar beets $CaCl_2$, NaCl, $MgCl_2$, and KCl were introduced with or without previous satn. of the soil with the resp. salts or their mixts. In all cases formation of org. acids increased when cations were introduced in adsorption-bound state; introduction of cations as chlorides caused a decrease of org. acid levels. The increased content of org. acids does not necessarily follow a decline of sugar. Wheat was placed in a suspension of chernozem soil that had been freed of exchange cations by washing with 0.05 *N* HCl and was then satd. with K by treatment with KOH soln. to pH 7.8; a control specimen was placed in KCl soln. at pH 5. The formation of org. acids in the 1st case was doubled within 48 hrs., while the KCl specimen showed no change. The pH in itself is not important. KH_2PO_4 (pH 4.5) gave much lower org. acid content in wheat plants than K_2HPO_4 (pH 8.9). The relative rate of absorption of the cations and anions is the controlling factor in org. acid formation. Introduction of K in soil-adsorbed condition gave a higher level of org. acids (citric) in tobacco. G. M. Kosolapoff

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4

1. RATNER, YE. I., AKIMOCHKINA, T. A.

2. USSR (600)

4. Phosphorus - Isotopes

7. Application of isotopes in the study of speed of assimilation by plants of fertilizer granules places in soil with a variance in respect to seeds sown. Dokl. AN SSSR, 86, No. 4, 1952

9. Monthly List of Russian Accessions, Library of Congress, February 1953. Unclassified.

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4

AKIMOCHKINA, T. A.

BTR, v. 3, Feb. 1954 agriculture

1467* A New Link in the Nourishment System of Grasses in Connection With the Problem of Regulating the Microbial Composition in the Rhizosphere of Cultivated Plants. (Russian.) E. I. Ratner, T. A. Akimochkina, and S. A. Samoilova. *Doklady Akademii Nauk SSSR*, v. 91, no. 2, July 11, 1953, p. 421-424.

Neutralized industrial superphosphate equivalent to 10 kg. of P_2O_5 per hectare was broadcast along with the seed. Nitrogen fixing bacteria were stimulated. Tables. 10 ref.

Inst. fiz. rast. im. K. A. Timiryazeva - AN SSSR

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4

RATNER, Ye.I.; AKIMOCHKINA, T.A.; UKHINA, S.F.

Paths and mechanism of the movement of mineral substances from roots to the aerial organs of plants as exemplified by the translocation of P^{32} [with summary in English]. Fiziol.rast. 6 no.1:3-12 Ja-F '59. (MIRA 12:2)

1. K.A. Timiryazev Institute of Plant Physiology, U.S.S.R. Academy of Sciences, Moscow.
(Plants, Motion of fluids in)

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4

RATNER, Ye.I.; BURKIN, I.A.; AKIMOCHKINA, T.A.

Microdoses of molybdenum in the nutritional system of grain crops and grasses sown under them in relation to their productivity and protein metabolism. Fiziol.rast. 6 no.2:232-243 Mr-Ap '59. (MIRA 12:5)

1. K.A.Timiryazev Institute of Plant Physiology, U.S.S.R. Academy of Sciences, Moscow.
(Plants, Effect of molybdenum on)
(Oats) (Grasses)

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4

RATNER, Ye.I.; AKIMOCHKINA, T.A.

Role of molybdenum and vitamins in the assimilation of nitrogen from nitrates by plants. Fiziol. rast. 9 no.6:663-673 '62. (MIRA 15:12)

1. Timiriasev Institute of Plant Physiology, U.S.S.R. Academy of Sciences, Moscow.
(Nitrogen metabolism)
(Plants, Effect of molybdenum on)
(Plants, Effect of vitamins on)

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4

RATNER, Ye.I.; AKIMOCHKINA, T.A.

Conjugate effect of molybdenum and some vitamins on the productivity of symbiotic nitrogen fixation in the soybean. Agrokhimiia no.4:59-68 Ap '64. (MIRA 17:10)

1. Institut fiziologii rasteniy imeni K.A.Timiryazeva AN SSSR.

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4

AKIMOCHKINA, V. A.

"On Electric Excitation of the Visual Apparatus after Operative Enucleation of the Eye," Zhur. Fiz., Vol. 28, No.1, pp 104-112, 1940

Experimental Lab. (Head: A.V.Lebedinskiy) of the Ophthalmological Inst., Leningrad

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4

AKIMOCHKINA, V. A., kand. med. nauk

Use of acupuncture in glaucoma. Vest. oft. no.5:50-55 '61.
(MIRA 14:12)

1. Kafedra oftal'mologii (zav. - prof. M. B. Chutko) Gosudarstvennogo ordena Lenina instituta usovershenstvovaniya vrachey imeni S. M. Kirova (Leningrad).

(GLAUCOMA) (ACUPUNCTURE)

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4

AKIMOCHKINA, Z.Ye.

Significance of radioactive phosphorus (p32) in the diagnosis of breast tumors. Vest. rent. i rad. 33 no.5:91-92 S-O '58 (MIRA 11:11)

1. Iz kafedry rentgenologii i radiologii (zav. - prof. P.D. Yal'tsev [deceased]) I Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M. Sechenova (dir. - prof. V.V. Kovanov).

(BREAST NEOPLASMS, diag.
radiophosphorus (Rus))
(PHOSPHORUS, radioactive
diag. of breast tumors (Rus))

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4

AKIMOCHKINA, Z.Ye. (Moskva, ul. Arbat, d. 51, kv. 91)

A case of relaxation of the right cupola of the diaphragm. Vest. rent. i rad. 34 no.1:76-77 Ja-F '59. (MIRA 12:3)

1. Iz kafedry rentgenoradiologii (zav. - prof. P.D. Yal'tsev [deceased] i Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M. Sechenova (dir. - prof. V.V. Kovanov).

(DIAPHRAGM, dis.
relaxation of right cupola, differ. diag. from liver schinococcosis (Rus))
(LIVER DISEASES, differ. diag.
echinococcosis, from relaxation of right cupola of diaphragm (Rus))
(ECHINOCOCCOSIS, differ. diag.
liver, from relaxation of right cupola of diaphragm (Rus))

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4

AKIMOCHKINA, Z. Ye.

Cand Med Sci - (diss) "Experience in the use of radioactive phosphorus (P^{32}) for diagnosis of superficially distributed tumor and tumor-like formations." Moscow, 1961. 16 pp; (Second Moscow State Medical Inst imeni N. I. Pirogov); 250 copies; price not given; (KL, 6-61 sup, 236)

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4

ROZENSHTRAUKH, L.S., prof.; AKIMOCHKINA, Z.Ye., kand. med. nauk; YELASHOV, Yu.G., kand. med. nauk; KAZAKOVA, L.N., kand. med. nauk; KAZANTSEVA, N.S., kand. med. nauk; KISHKOVSKIY, A.N., kand. med. nauk; RABKIN, I.Ye., kand. med. nauk; ALIYEVA, M.S., kand. med. nauk; ASLAMAZOV, E.G., kand. med. nauk; LINDENBRATEN, L.D., prof., red.

[Variations and anomalies in the development of organs and systems in man in X-ray observations] Varianty i anomalii razvitiia organov i sistem cheloveka v rentgenovskom izobrazhenii; nauchno-metodicheskoe posobie. Moskva, Gos. izd-vo med. lit-ry, 1963. 1 v. (MIRA 17:7)

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4

AKIMOCHKINA, Z.Ye.; NOVIKOVA, I.V.; YUDIN, I.A.

Method for teaching radioisotope diagnosis to students of medical institutes. Med.rad. 10 no.3:44-49 Mr '65.

(MIRA 18:6)

1. Kafedra rentgenologii i radiologii (zav. - prof. L.D.Lindenbraten) I Moskovskogo ordena Lenina meditsinskogo instituta imeni Sechenova.

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4

AKIMOCHKINA, Z.Ye.

Roentgenology and radiology at the Medical Faculty of the Moscow University in 1896-1917. Med. rad. 10 no.4:66-72 Ap '65. (MIRA 18:7)

1. Kafedra rentgenologii i radiologii (zav. - prof. L.D. Lindenbraten) I Moskovskogo ordena Lenina meditsinskogo instituta imeni Sechenova.

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SOLOMONOVA, M.; AKIMOV, A.

Programs for economic development in India and Burma [with summary in English, p.31]. Vnesh. torg. 26 no.8:7-12 Ag '56. (MLRA 9:10)

(India--Economic policy) (Burma--Economic policy)

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AKIMOV, A., inzhener.

More attention should be given to raising the qualifications of engineering and technical workers. Avt. transp. 34 no.12: 26 D '56. (MIRA 10:2)

(Technical education)

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AKIMOV, A.

107-57-5-61/63

AUTHOR: Akimov, A. (Novo-Kuz'minskiy pos., Moscow oblast)

TITLE: Repairing High-Voltage Capacitors (Remont vysokovol'tnykh kondensatorov)

PERIODICAL: Radio, 1957, Nr 5, p 61 (USSR)

ABSTRACT: Type KOB-12000-500-III high-voltage capacitor is used in types "Avangard", "Sever" and other Soviet tv sets. for smoothing the voltage rectified by type 1TslS tube. Surface flashover often occurs on this capacitor due to inadequate electric strength of the paint it is covered with. It is recommended to clean the surface with emery or sandpaper and to cover it with a high electric-strength lacquer.

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AKIMOV, Aleksey

Control or wardship? Grazhd.av. 18 no.4:12 '61. (MIRA 14:4)

1. Starshiy shturman Irkutskogo aeroporta.
(Meteorology in aeronautics)
(Irkutsk—Airports—Traffic control)

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AKIMOV, A.

Automatic volume control in microwave FM receivers. Radio no.5:27 My '61. (MIRA 14:7)
(Radio, Shortwave—Receivers and reception)

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4

AKIMOV, A.; SHEBEKO, V.

Replacement of electron tubes in a horizontal sweep stage.
Radio no.9:51 S '61. (MIRA 14:10)
(Oscillators, Electron-tube—Maintenance and repair)

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100620017-4

AKIMOV, A. (UA3AHA)

The "Lisolov" radio receiver. Radio no.5:19-20 My '62.
(MIRA 15:5)

(Radio, Shortwave--Receivers and reception)
(Radio clubs--Equipment and supplies)

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AKIMOV, A., chempion Yevropy po "Okhote na lis" 1961 goda

Minutes decide the success. Radio no.8:16-17 Ag '62.
(MIRA 15:8)

1. Chlen TSentral'nogo komiteta Dobrovol'nogo obshchestva sodeystviya armii, aviatsii i flotu.
(Radio operators) (Radio direction finders)

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